

Listing of Claims

This listing of claims will replace all prior versions and listings of claims.

1-19. (Cancelled)

20. (Previously Presented) An isolated nucleic acid molecule comprising a polynucleotide selected from the group consisting of:

- (a) a polynucleotide encoding amino acids -17 to 339 of SEQ ID NO:2;
- (b) a polynucleotide encoding amino acids -16 to 339 of SEQ ID NO:2;
- (c) a polynucleotide encoding amino acids 1 to 339 of SEQ ID NO:2;
- (d) a polynucleotide encoding the IL-1R AcM polypeptide having the complete amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. 97666;
- (e) a polynucleotide encoding the mature IL-1R AcM polypeptide having the amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. 97666; and
- (f) the complement of (a), (b), (c), (d), or (e).

21. (Previously Presented) The isolated nucleic acid molecule of claim 20, wherein said polynucleotide is (a).

22. (Previously Presented) The isolated nucleic acid molecule of claim 21, which comprises nucleotides 303 to 1370 of SEQ ID NO:1.

23. (Previously Presented) The isolated nucleic acid molecule of claim 20, wherein said polynucleotide is (b).

24. (Previously Presented) The isolated nucleic acid molecule of claim 23, which comprises nucleotides 306 to 1370 of SEQ ID NO:1.

25. (Previously Presented) The isolated nucleic acid molecule of claim 20, wherein said polynucleotide is (c).

7
26. (Previously Presented) The isolated nucleic acid molecule of claim 25, which comprises nucleotides 354 to 1370 of SEQ ID NO:1.

8
27. (Previously Presented) The isolated nucleic acid molecule of claim 26, wherein said polynucleotide is (d).

9
28. (Previously Presented) The isolated nucleic acid molecule of claim 26, wherein said polynucleotide is (e).

10
29. (Previously Presented) The isolated nucleic acid molecule of claim 26, wherein said polynucleotide is (f).

30-37. (Canceled)

11
38. (Previously Presented) The isolated nucleic acid molecule of claim 26, wherein said polynucleotide is DNA.

12
39. (Previously Presented) The isolated nucleic acid molecule of claim 26, wherein said polynucleotide is RNA.

40-48. (Canceled)

13
49. (Previously Presented) An isolated nucleic acid molecule consisting of a polynucleotide selected from the group consisting of:

- (a) a polynucleotide encoding amino acids -17 to 339 of SEQ ID NO:2;
- (b) a polynucleotide encoding amino acids -16 to 339 of SEQ ID NO:2;
- (c) a polynucleotide encoding amino acids 1 to 339 of SEQ ID NO:2;
- (d) a polynucleotide encoding the IL-1R AcM polypeptide having the complete amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. 97666;

(e) a polynucleotide encoding the mature IL-1R AcM polypeptide having the amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. 97666; and

(f) the complement of (a), (b), (c), (d), or (e).

50. (Previously Presented) The isolated nucleic acid molecule of claim ⁴⁹₁₄, wherein said polynucleotide is (a).

51. (Previously Presented) The isolated nucleic acid molecule of claim ⁵⁰₁₄, which comprises nucleotides 303 to 1370 of SEQ ID NO:1.

52. (Previously Presented) The isolated nucleic acid molecule of claim ⁴⁹₁₃, wherein said polynucleotide is (b).

53. (Previously Presented) The isolated nucleic acid molecule of claim ⁵²₁₆, which comprises nucleotides 306 to 1370 of SEQ ID NO:1.

54. (Previously Presented) The isolated nucleic acid molecule of claim ⁴⁹₁₃, wherein said polynucleotide is (c).

55. (Previously Presented) The isolated nucleic acid molecule of claim ⁵⁴₁₈, which comprises nucleotides 354 to 1370 of SEQ ID NO:1.

56. (Previously Presented) The isolated nucleic acid molecule of claim ⁴⁹₂₀, wherein said polynucleotide is (d).

57. (Previously Presented) The isolated nucleic acid molecule of claim ⁴⁹₂₁, wherein said polynucleotide is (e).

58. (Previously Presented) The isolated nucleic acid molecule of claim ⁴⁹₂₂, wherein said polynucleotide is (f).

23
60. (Previously Presented) The isolated nucleic acid molecule of claim 49, wherein said polynucleotide is DNA.

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61. (Previously Presented) The isolated nucleic acid molecule of claim 49, wherein said polynucleotide is RNA.

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62. (Previously Presented) The polynucleotide of claim 20, wherein said polynucleotide is fused to a heterologous polynucleotide.

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63. (Previously Presented) The polynucleotide of claim 62, wherein said heterologous polynucleotide encodes a heterologous polypeptide.

27
64. (Previously Presented) The polynucleotide of claim 49, wherein said polynucleotide is fused to a heterologous polynucleotide.

28
65. (Previously Presented) The polynucleotide of claim 64, wherein said heterologous polynucleotide encodes a heterologous polypeptide.

29
66. (Previously Presented) A vector comprising the isolated polynucleotide of claim 20.

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67. (Previously Presented) The vector of claim 66, which is a plasmid.

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68. (Previously Presented) The vector of claim 66, which is a baculovirus.

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69. (Previously Presented) A host cell comprising the isolated polynucleotide of claim 20, operatively associated with a heterologous regulatory sequence.

33
70. (Previously Presented) The host cell of claim 69, which is E. coli.

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71. (Previously Presented) The host cell of claim 69, which is a COS cell.

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72. (Previously Presented) The host cell of claim 69, which is a CHO cell.

36

13. (Previously Presented) A method of producing a protein that comprises culturing the recombinant host cell of claim 69³² under conditions such that said protein is expressed, and recovering said protein.